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A functional peptide affinity extract give
defined difference bands

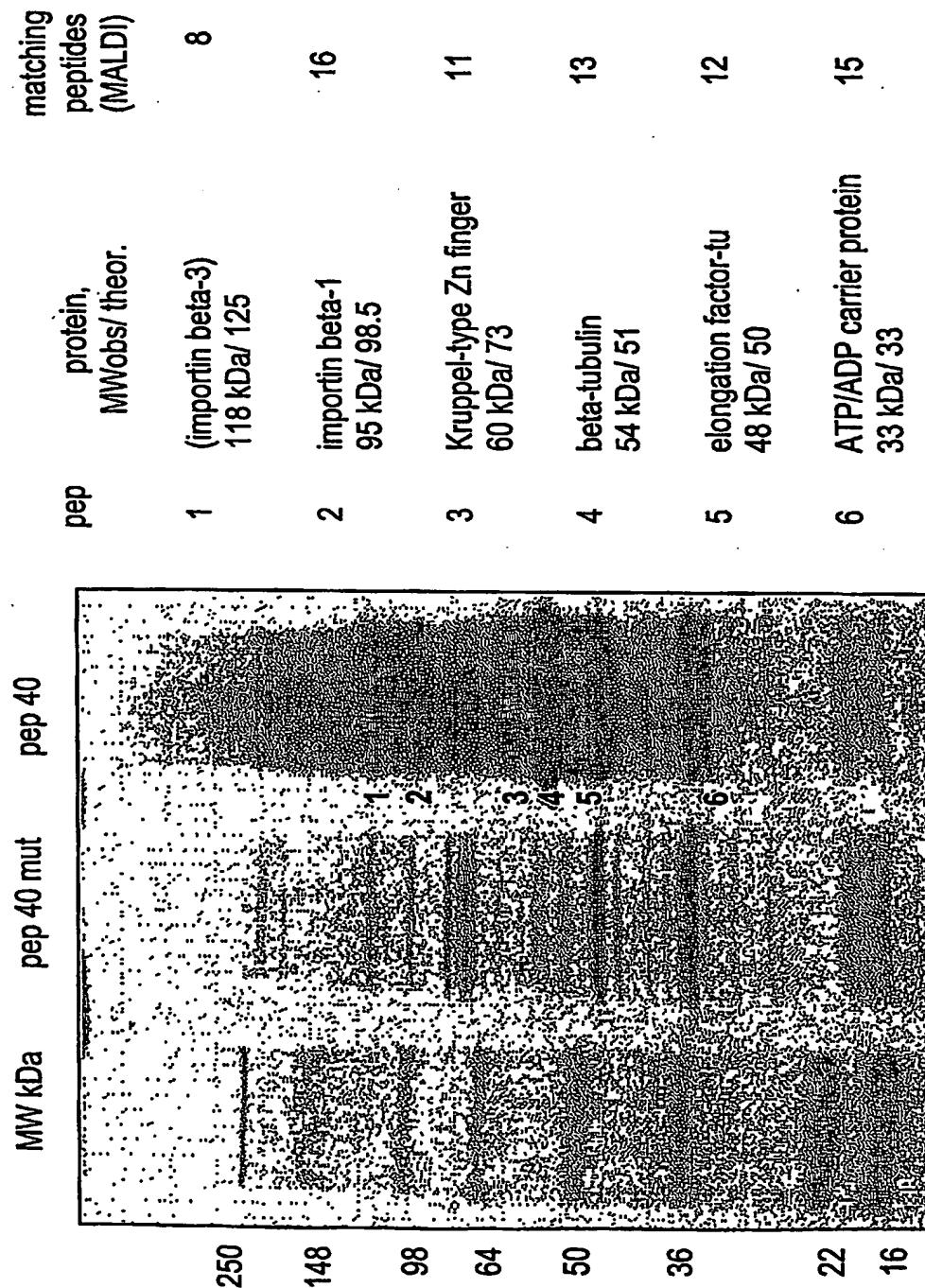


FIG. 1

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Peptide 41 affinity extracts at least 6 proteins

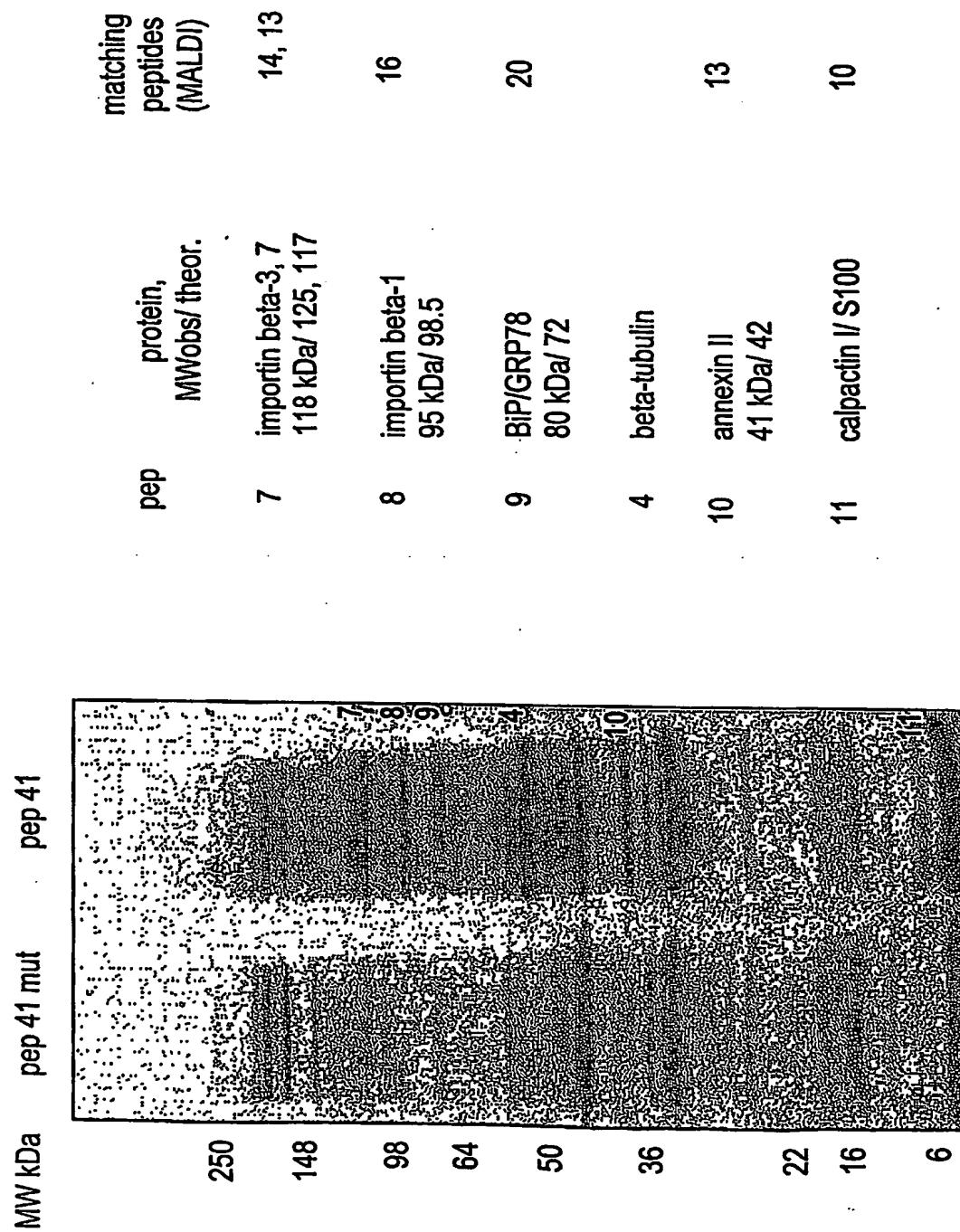
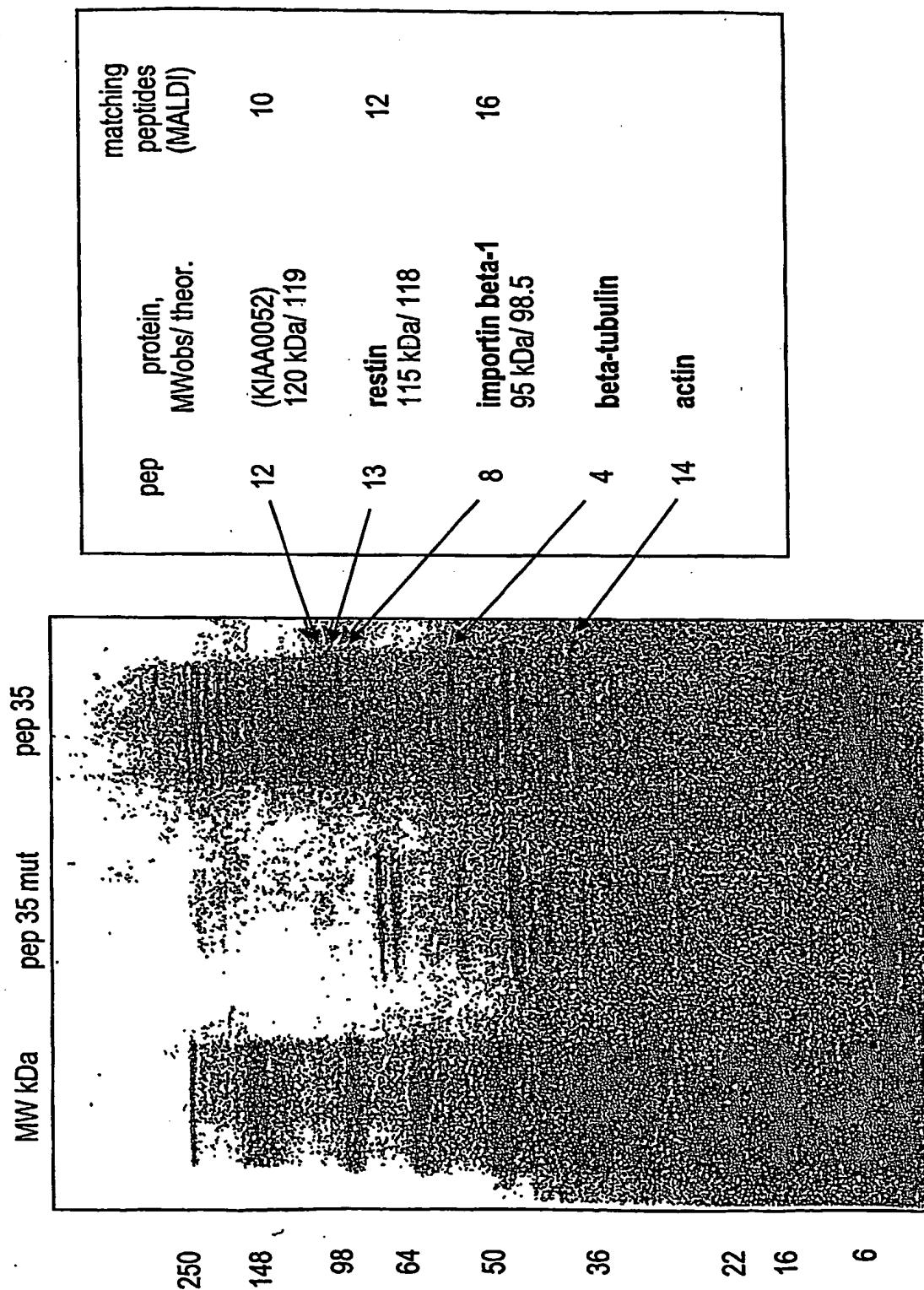


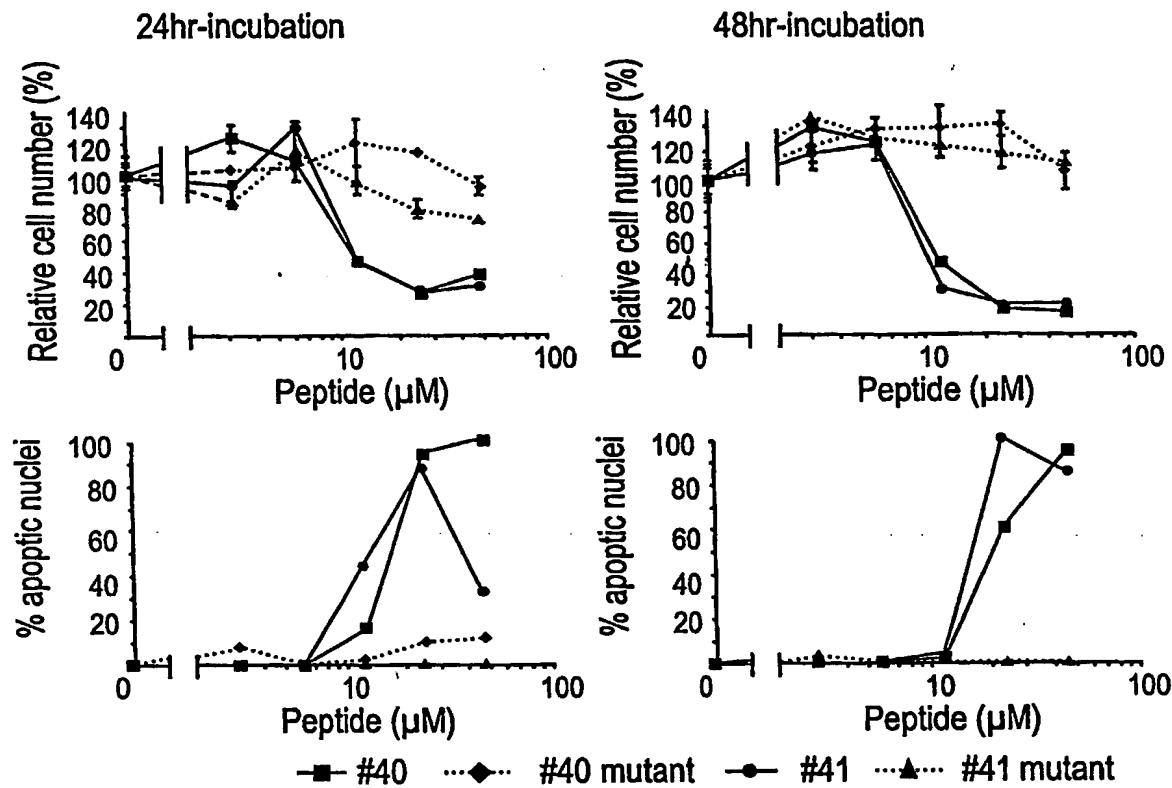
FIG. 2

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Peptide 35 affinity extracts at least 5 proteins



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Peptide 40, 41 and their alanine mutants with 7 lysines fused to their N-terminus, were synthesized. Various concentration of peptides were added to A549 cells. After 24-48 hour incubation, the number of nuclei and apoptotic nuclei was counted using Cellomics Array Scan II.

FIG. 4

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#38: ACTAGGGTTGCTGAAGCTGGCGCTAAGCGTAAAGTGTATTAGTAG
T S G L L K L V Q A K R K C C I S

#40: CGTGGGATCCGACCGGATTGCTGCATTGGTTCGGTCCGGATGCTAGTGAGGGAGTAGGCCGTGAGG
CCCTAA
R W D P T R L L R F R F L R M L V R R S R P V R P

#41: GAAGGGATGTATCGATGGAGGAGGGCTGGGGAAATGATGAGACTATTAAAGTAG
G R G C I F R W R R G L R G M M R L F K

#88: CGGCTCCGAGAATATGTAGGGCATTCTGCTCATCCGTAGGATATTGGCATTTCGTTAGGCCGTGAGGC
CCTAA
R L R R I C S G I L I R R I L G I F V R P V R P

FIG. 5

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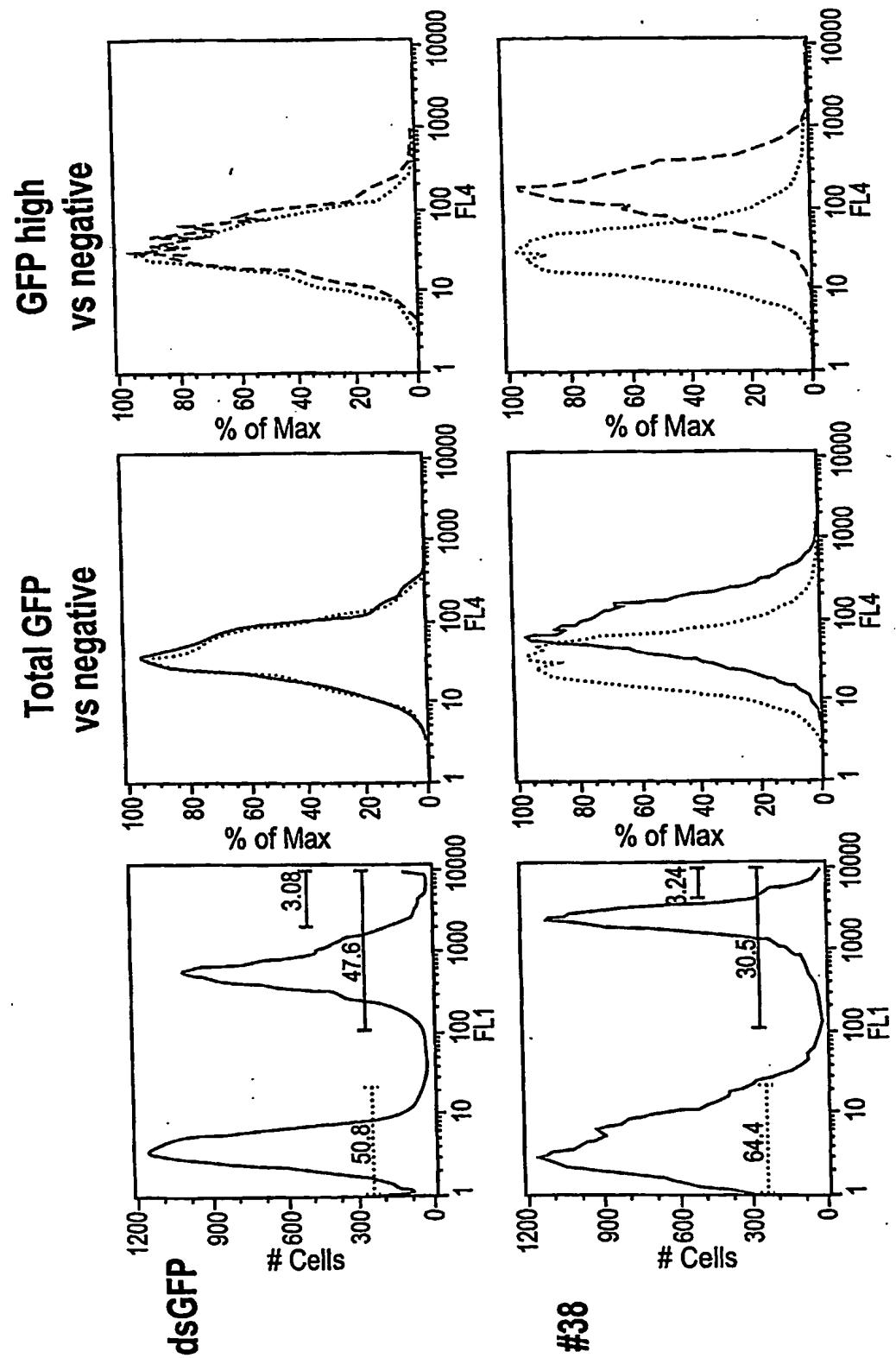
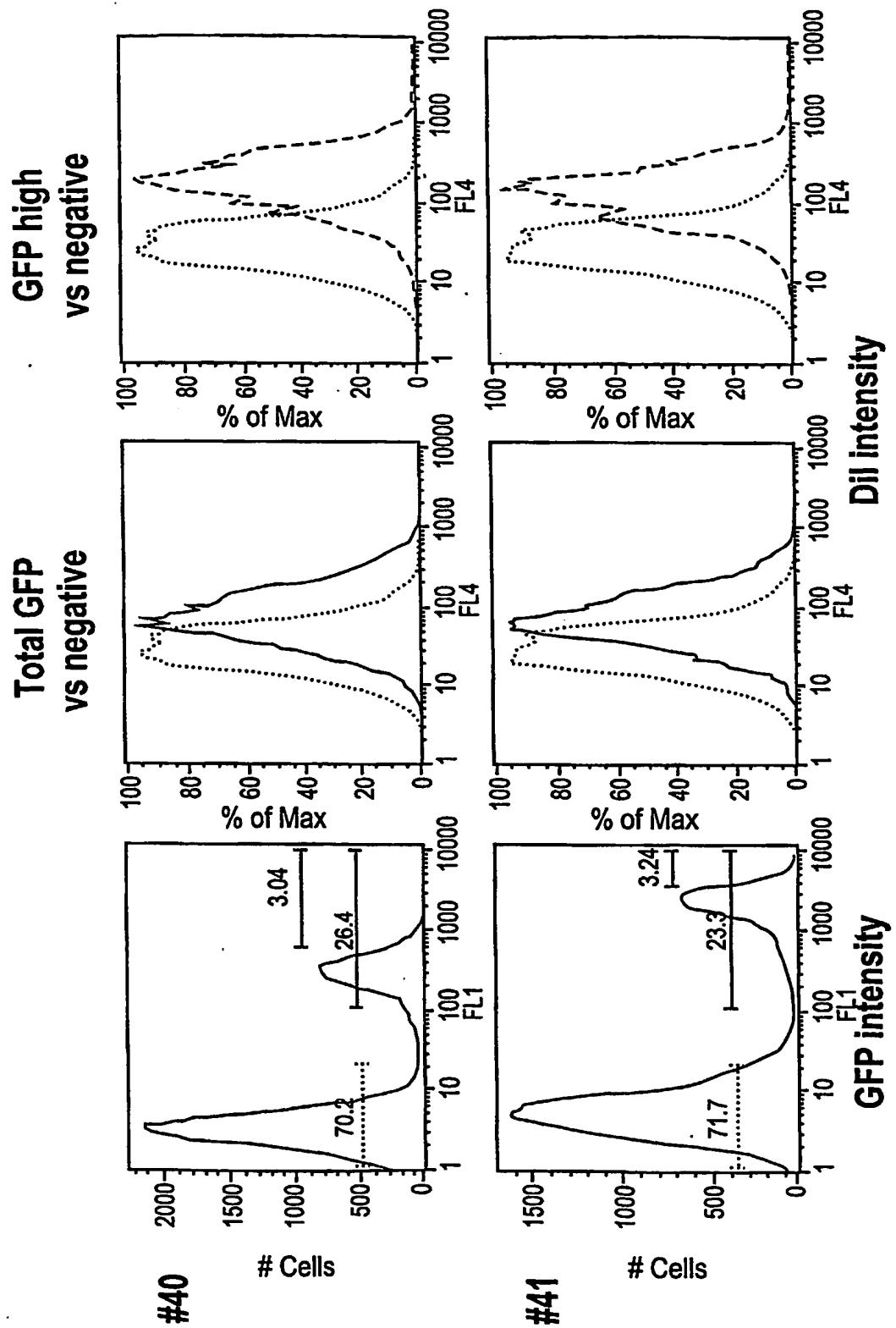


FIG. 6.
GFP intensity

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**FIG. 6 (CONT.)**

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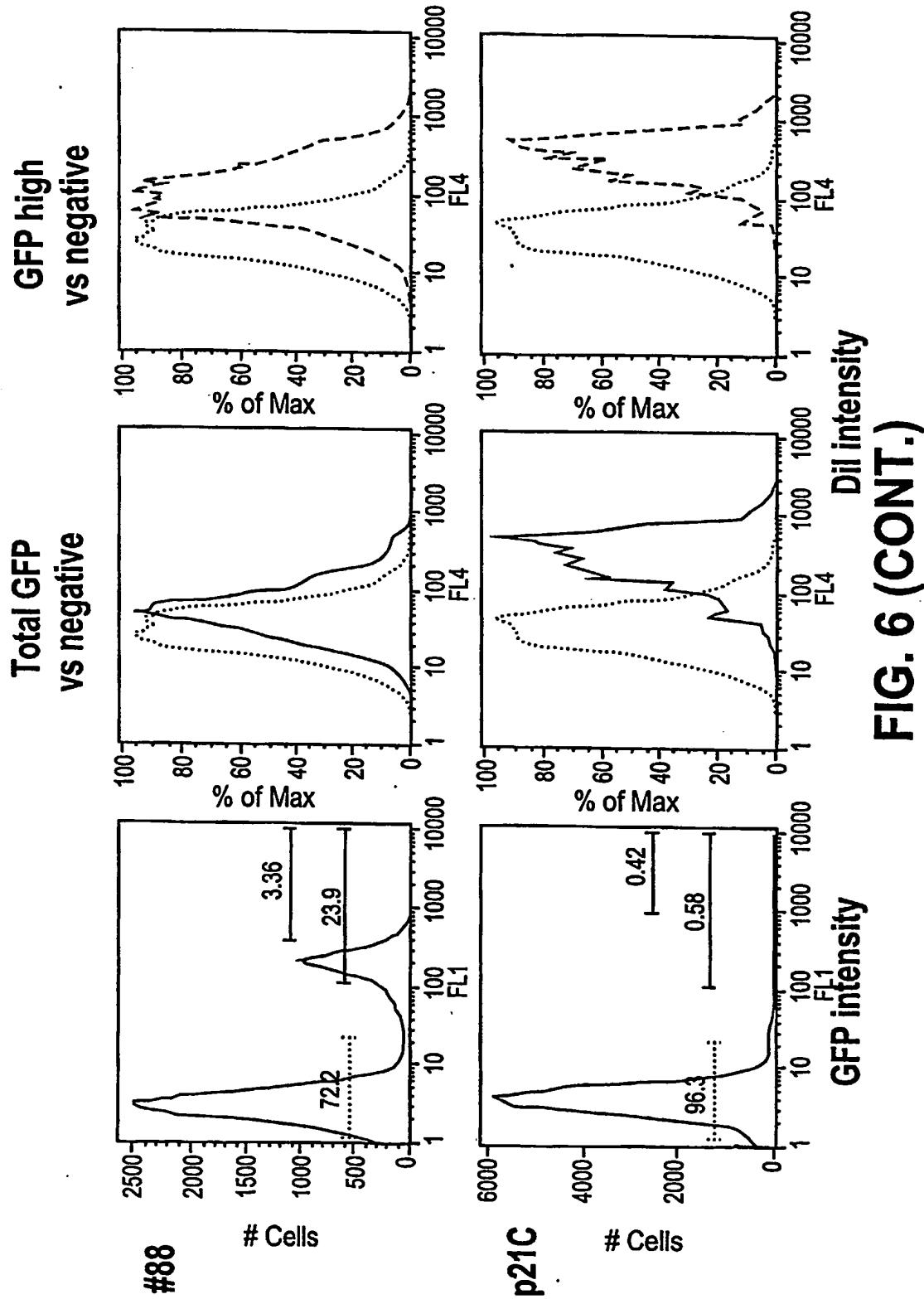
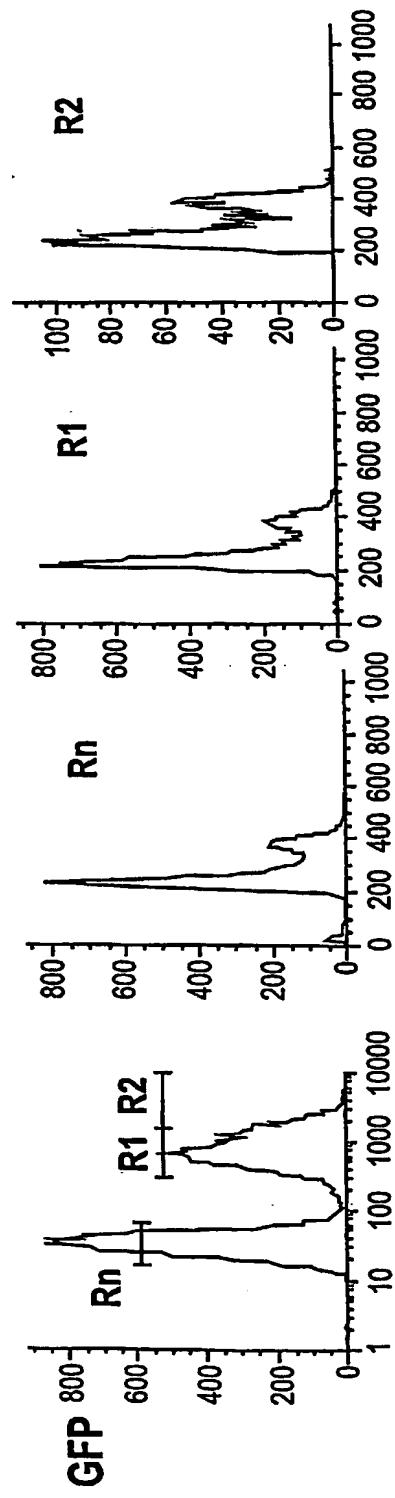
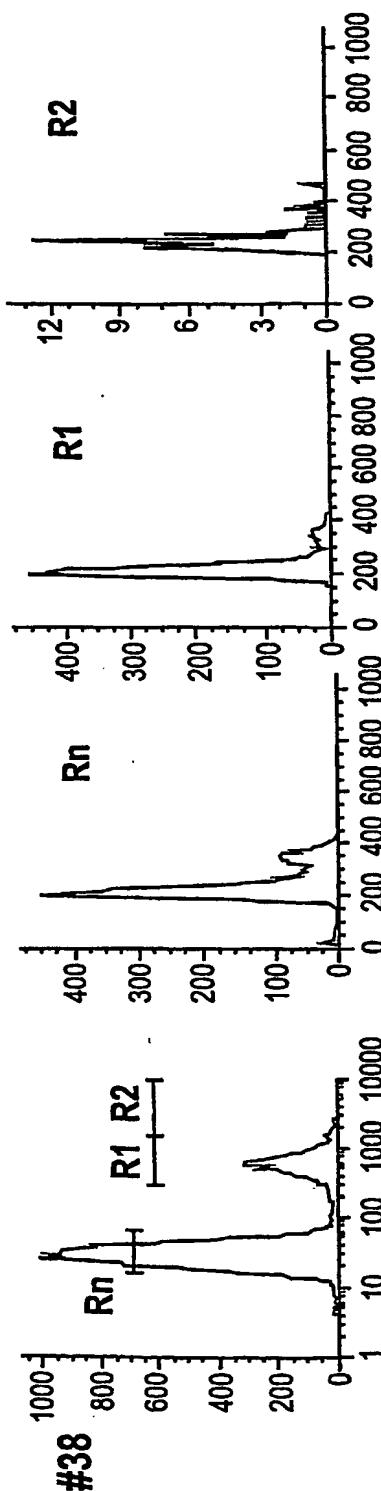


FIG. 6 (CONT.)

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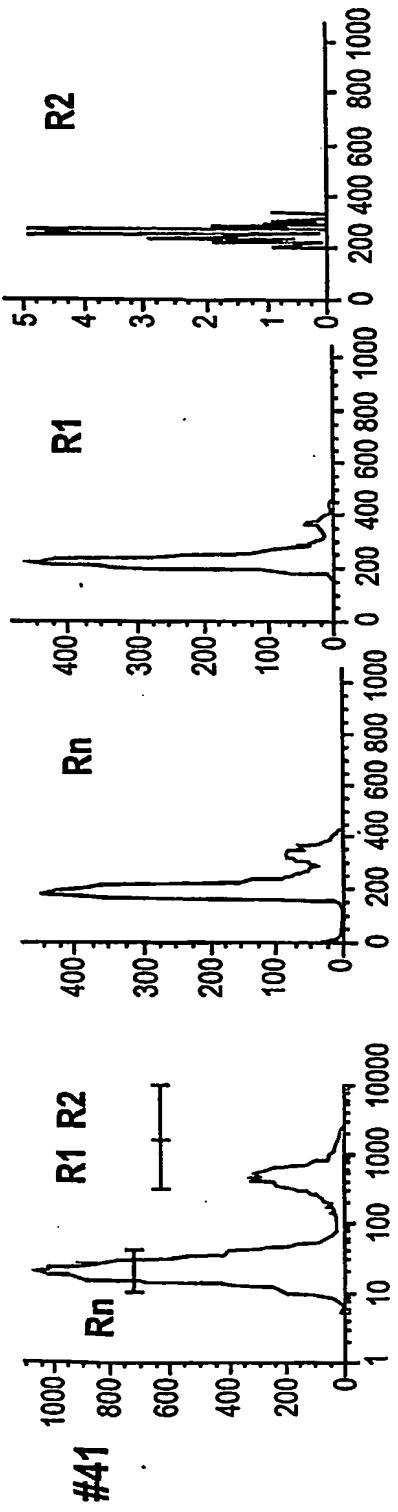
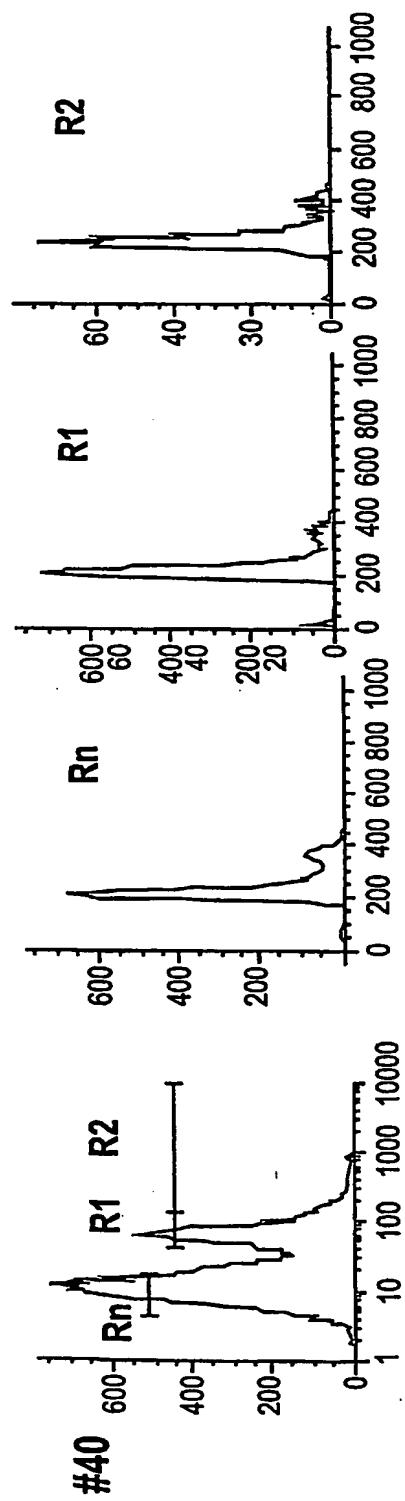
SUBSTITUTE SHEET (RULE 26)



Hoechst staining
GFP

FIG. 7

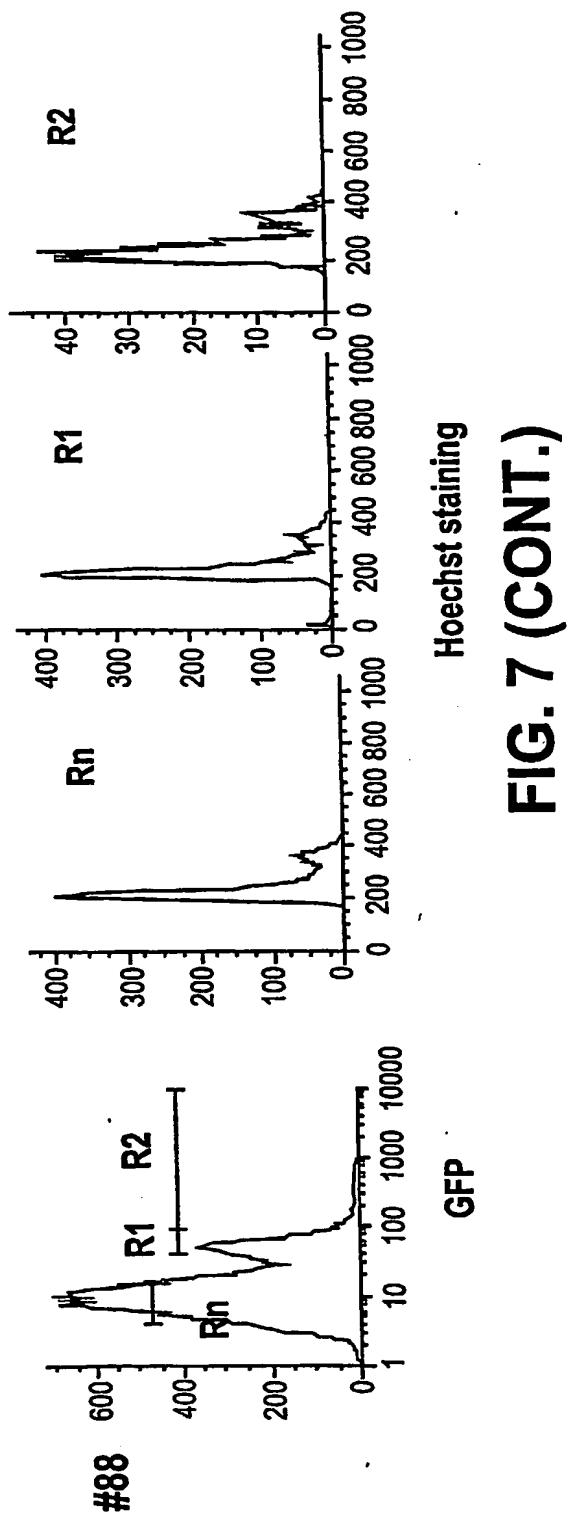
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Hoechst staining
GFP

FIG. 7 (CONT.)

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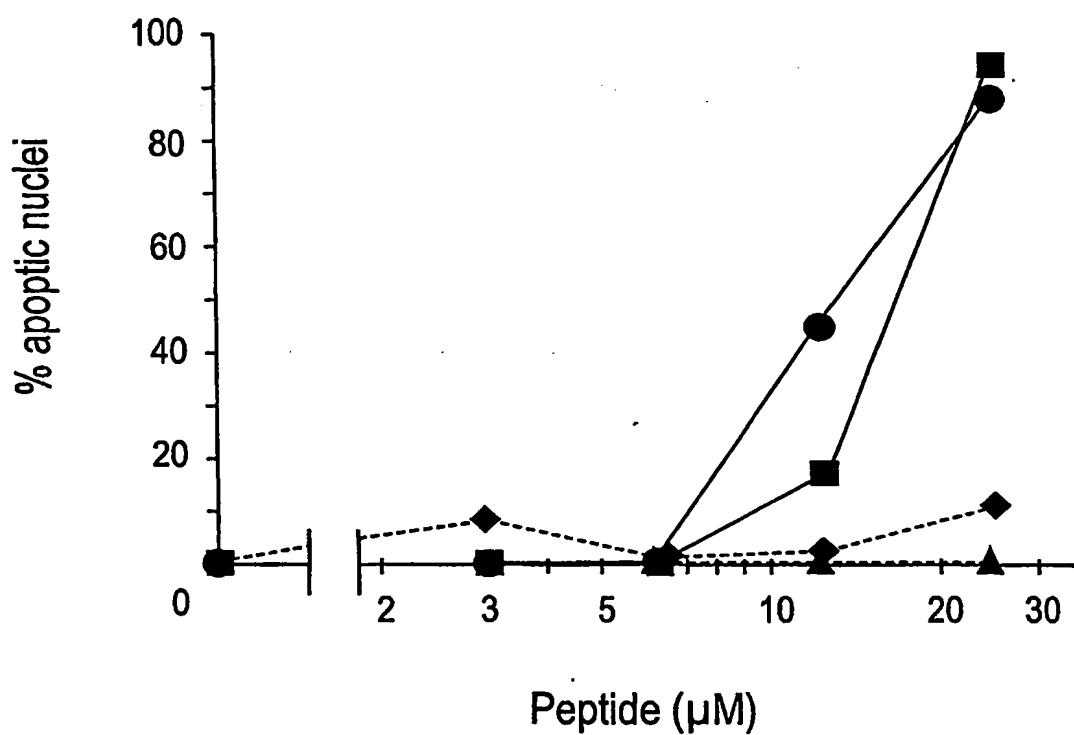
**FIG. 7 (CONT.)**

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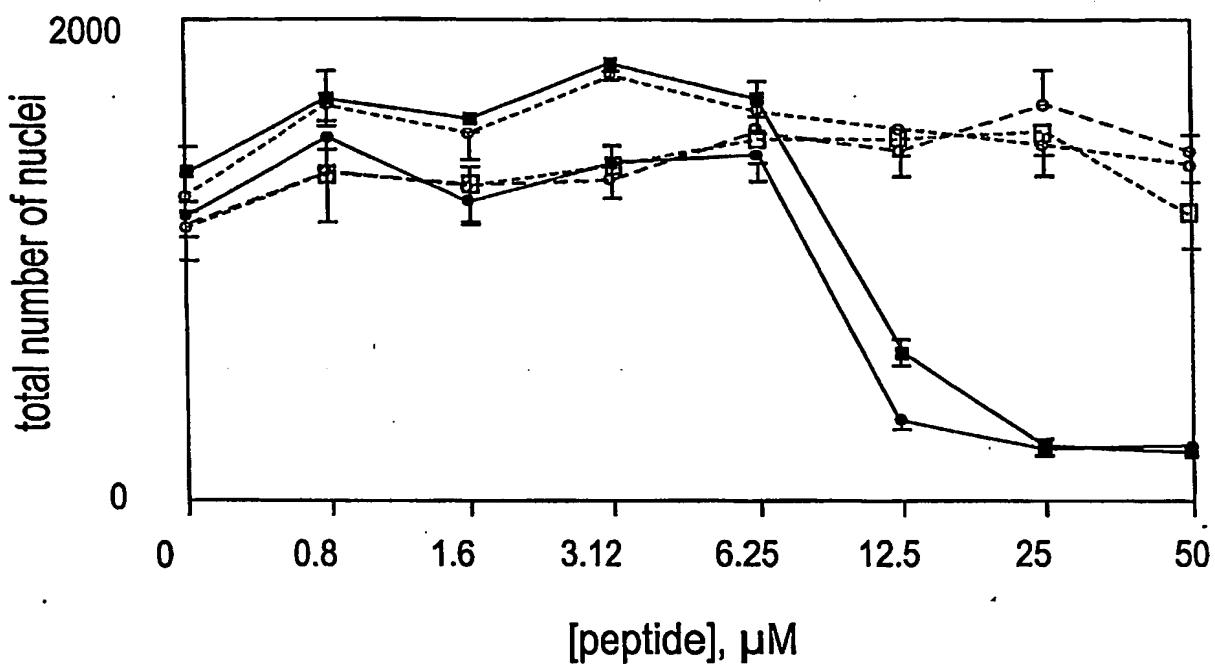
K7_40 : KKKKKKKGEEAAKARWDPTRLLRFRFLRMLVRRSRP
K7_40 M KKKKKKKGEEAAKARWDPTRALRARFARALVRRSR
K7_41 : KKKKKKKGEEAAKAGRGCIFRWRRGLRGMMRLFK
K7_41 M KKKKKKKGEEAAKAGRGCIFRARRGARGMARAFK

FIG. 8

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**FIG. 9**

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**FIG. 10**

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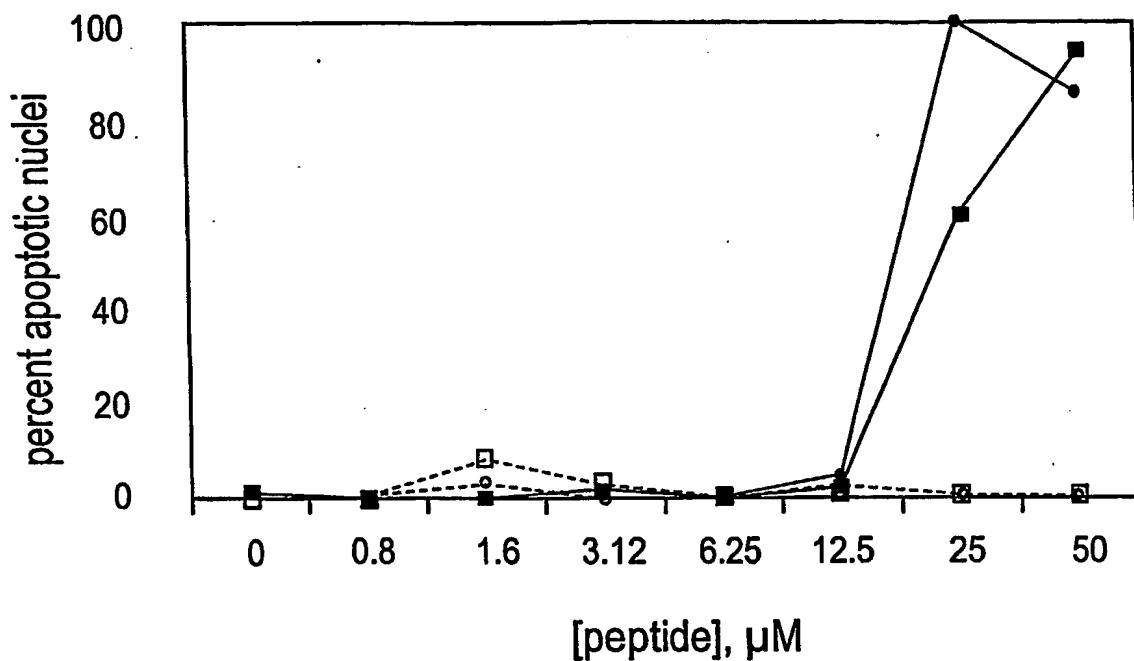


FIG. 11

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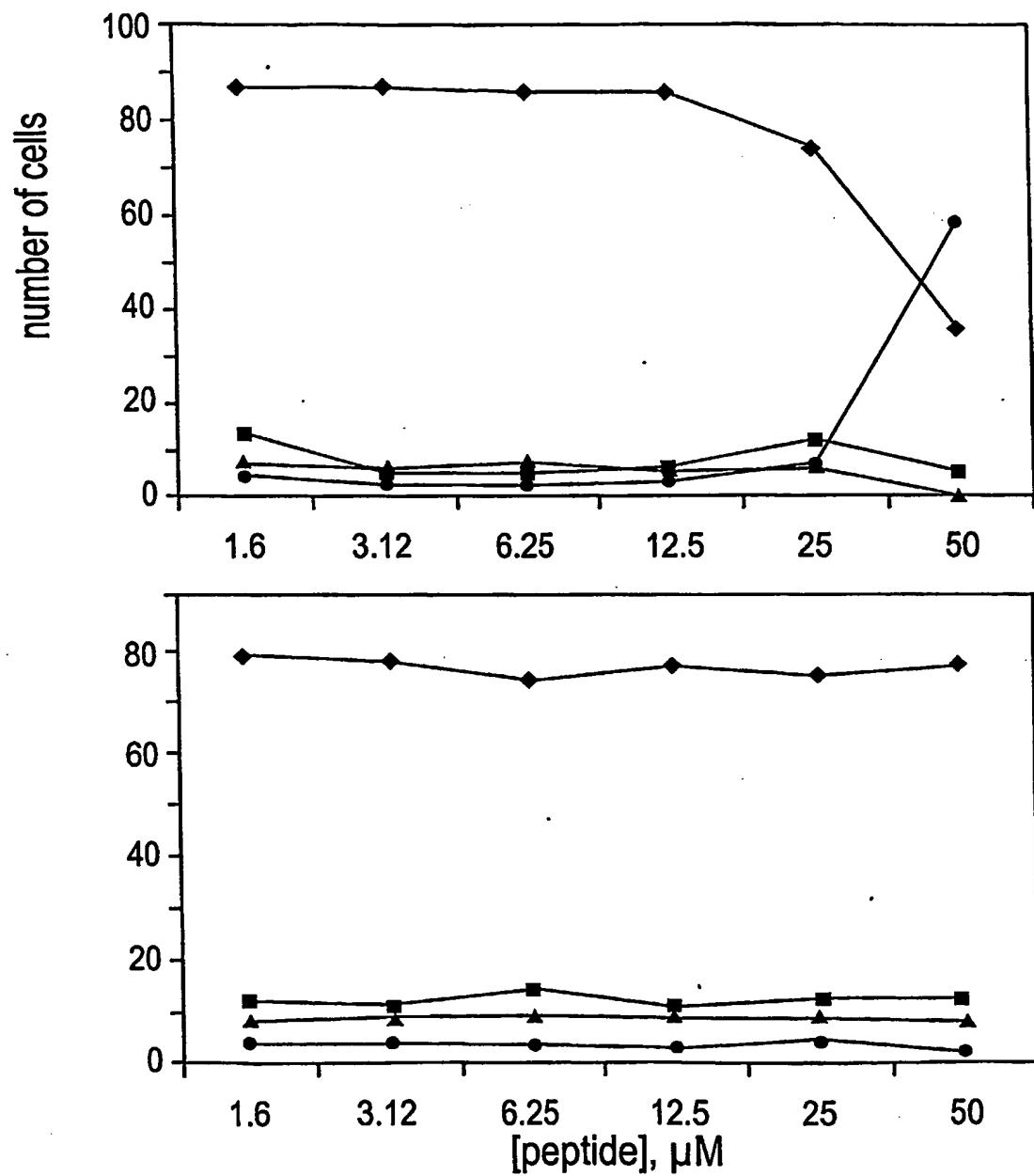


FIG. 12

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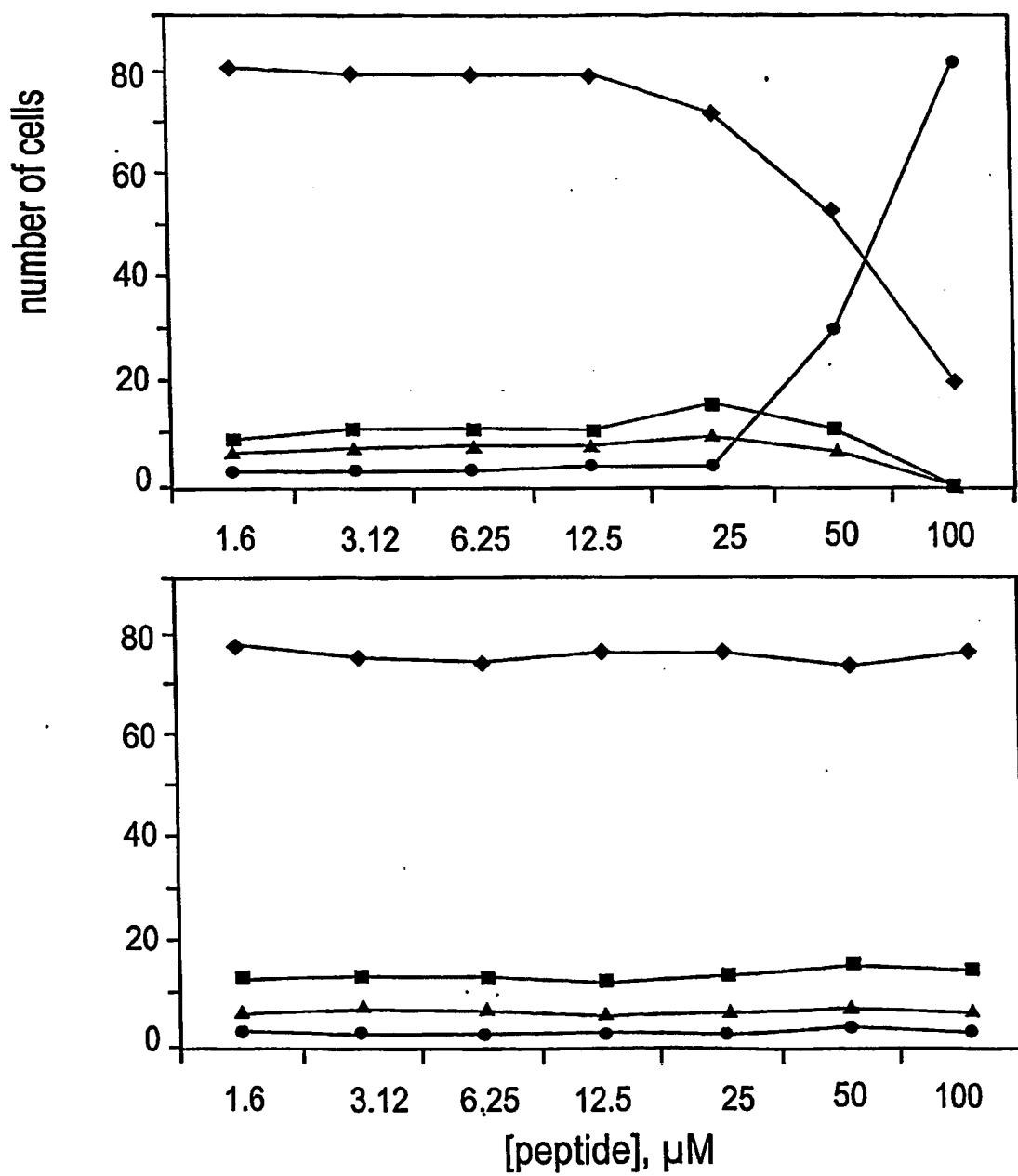


FIG. 13

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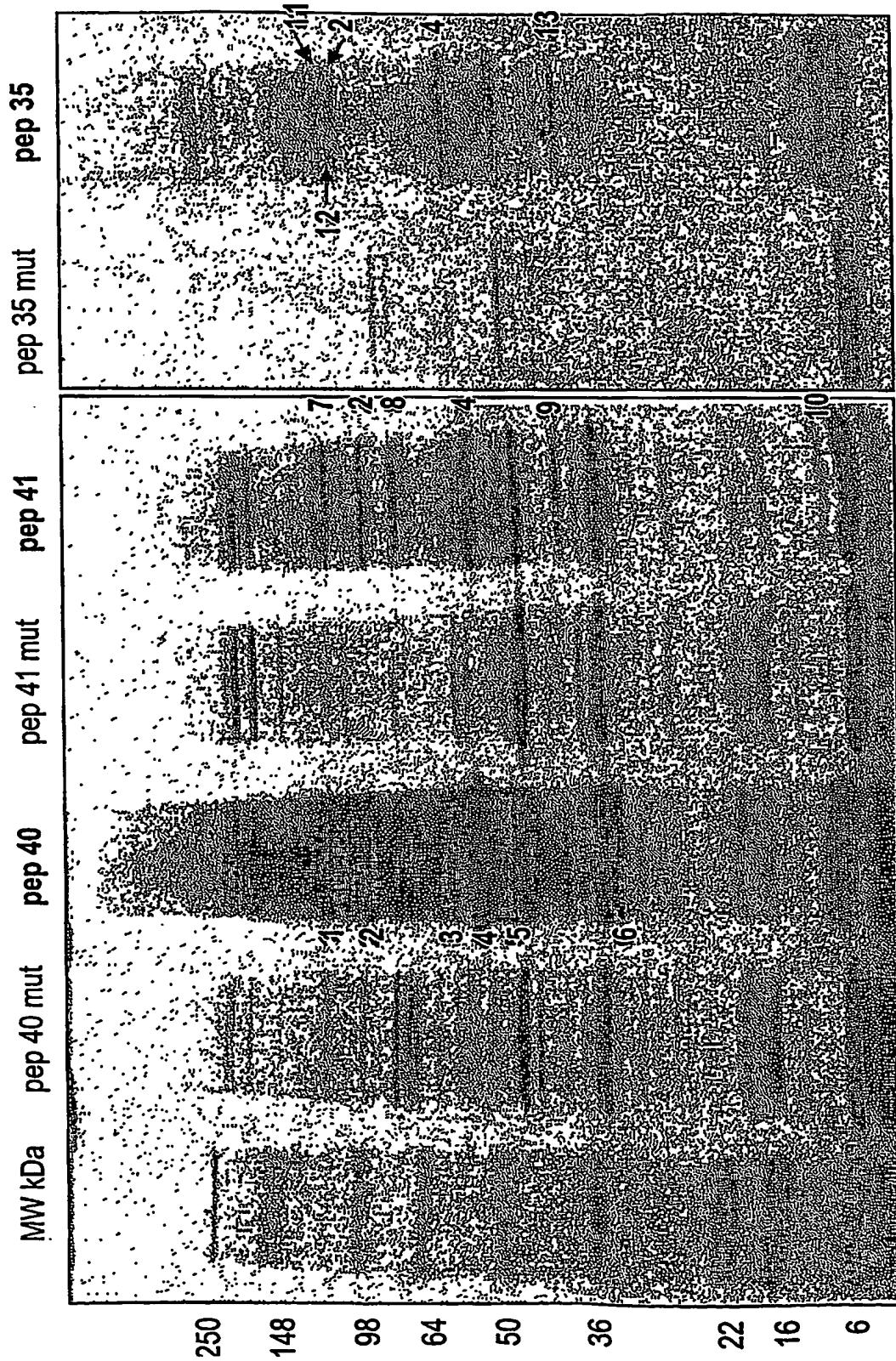
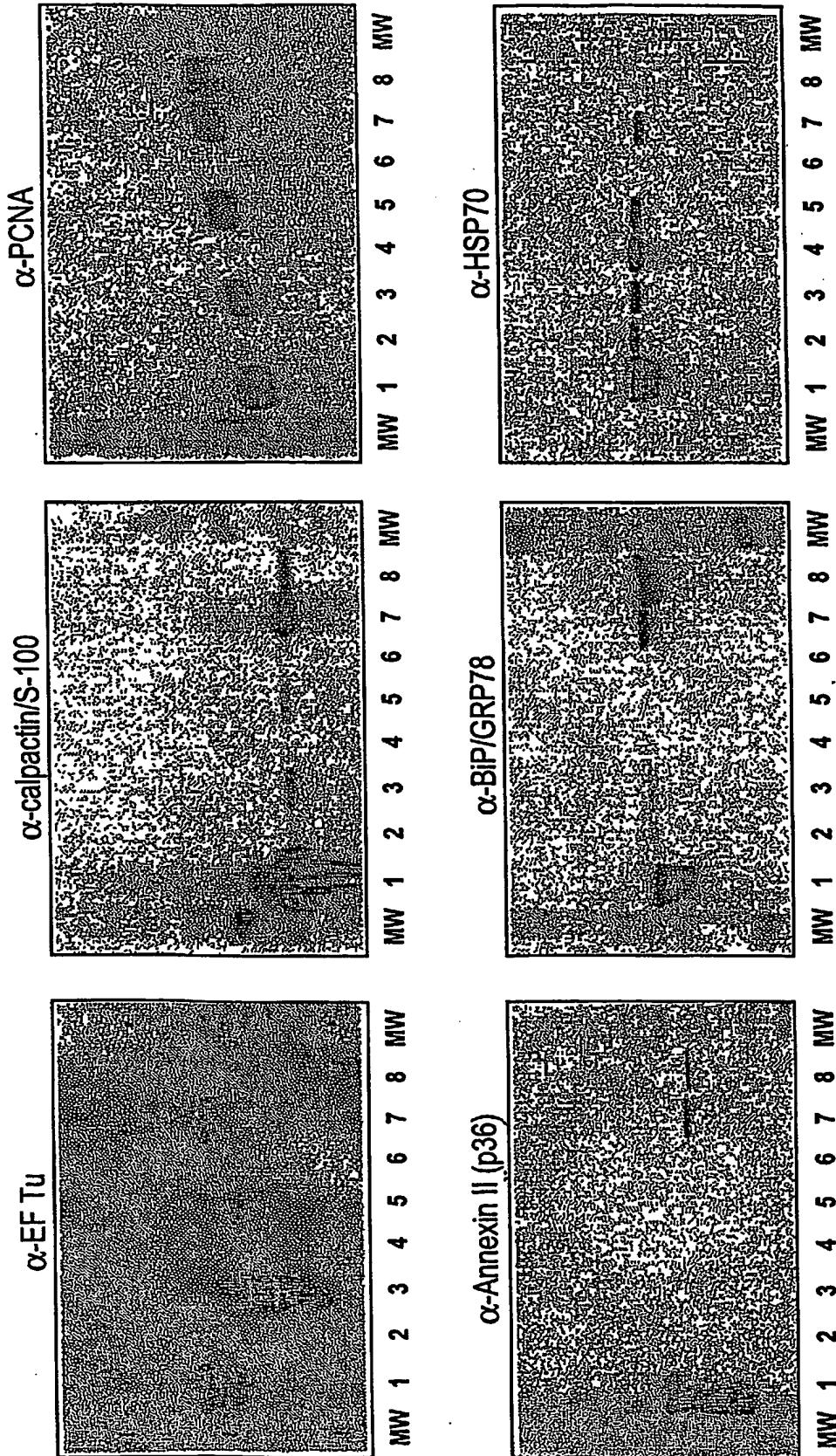
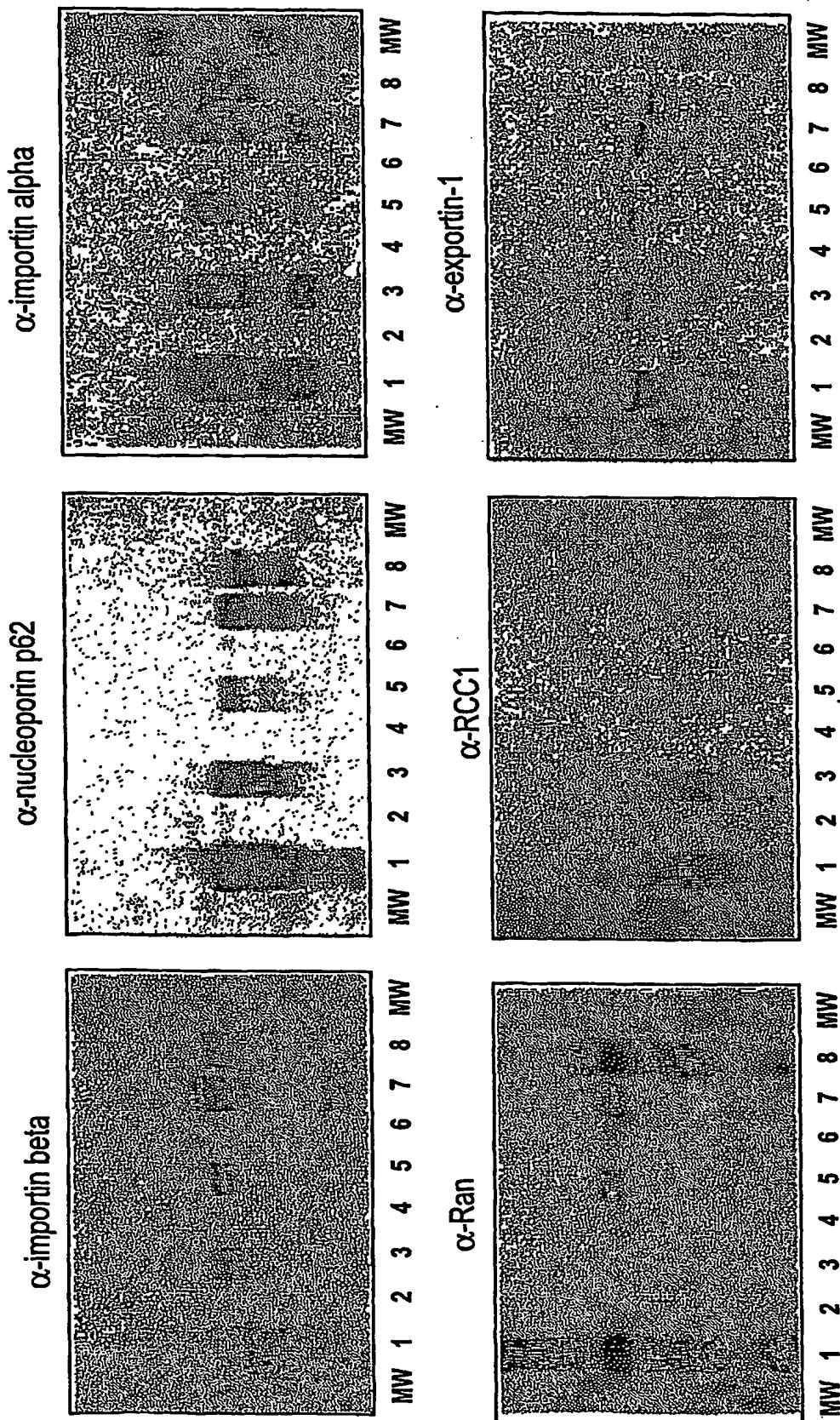


FIG. 14

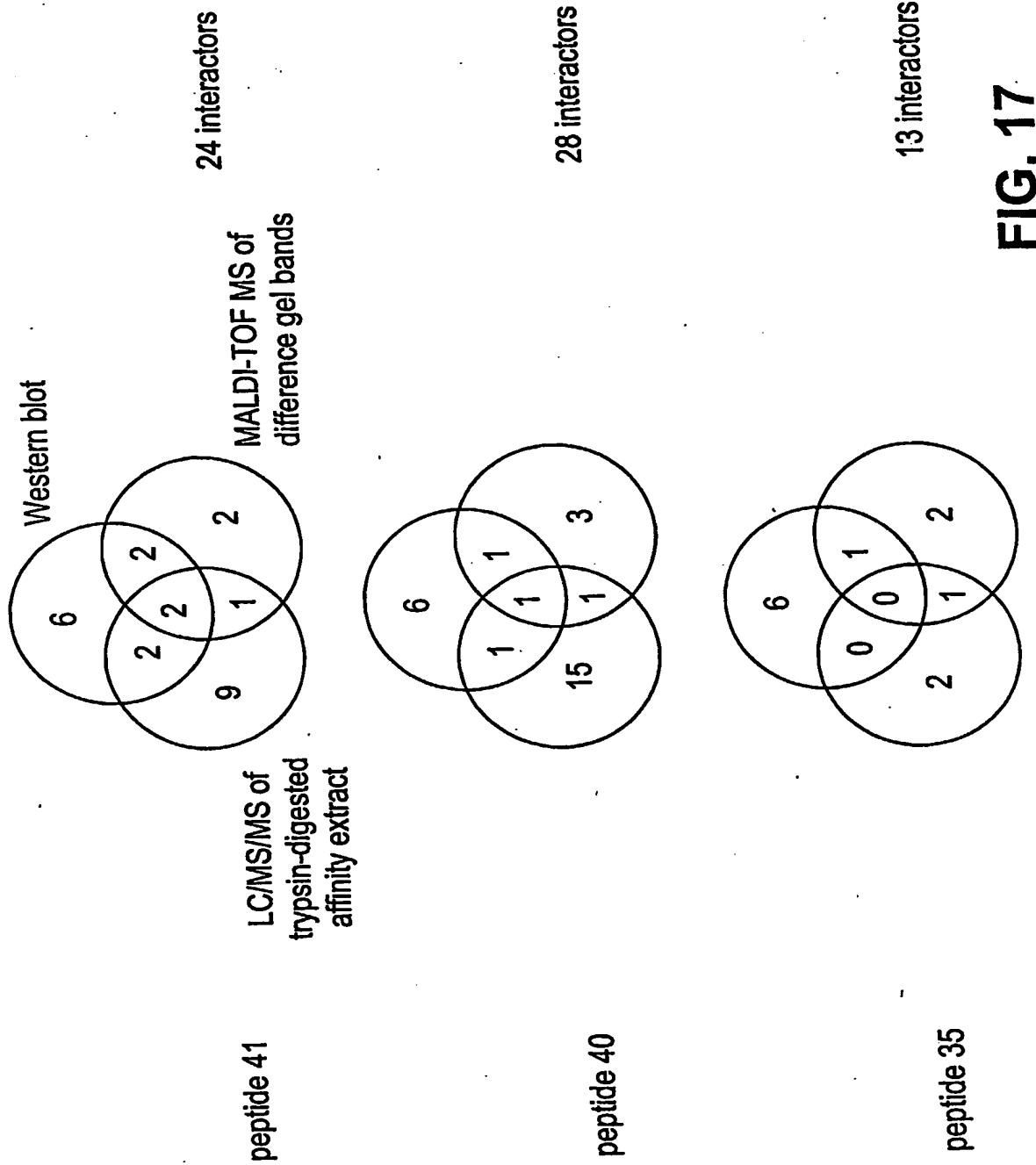
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**FIG. 15**

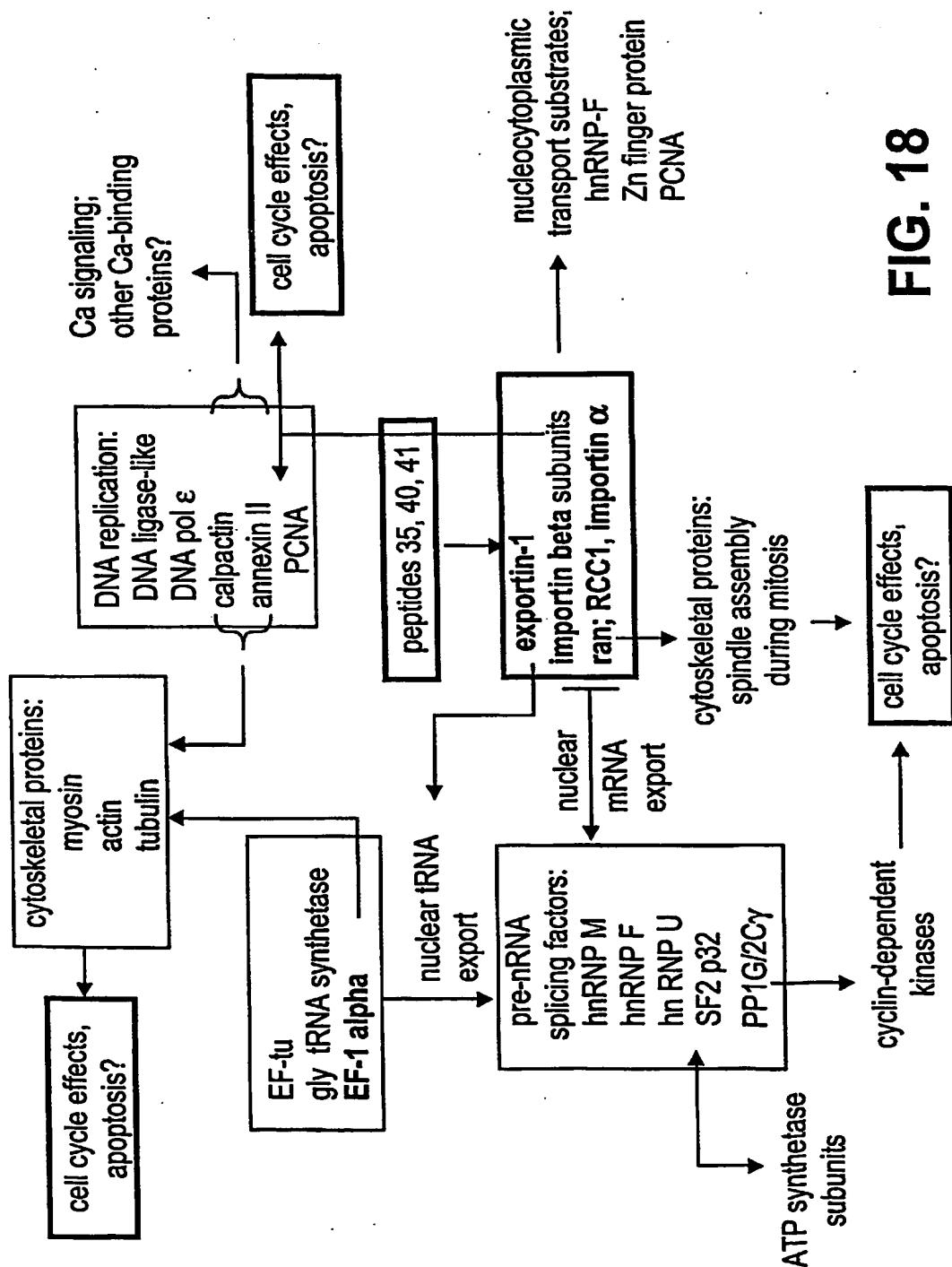
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**FIG. 16**

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